

**Table 1C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Demographic Indicators** <sup>(2)</sup>

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Total Records	Number	%	Source of Data	Number	%
Complete Records	2,930	69.7	WIC	4,201	100.0
Prenatal Records	456	10.9	Maternal Health	0	0.0
Postpartum Records	815	19.4	Other	0	0.0
<b>Total Records Accepted</b>	<b>4,201</b>		<b>Total</b>	<b>4,201</b>	<b>100.0</b>
			<i>Excluded Unknown: 0</i>	<i>0.0</i>	

Race/Ethnic Distribution	Number	%	Age Distribution	Number	%	Education Distribution	Number	%
White, Not Hispanic	2,848	67.8	< 15 Years	5	0.1	< High School	820	20.8
Black, Not Hispanic	143	3.4	15 - 17 Years	212	5.0	High School	1,643	41.8
Hispanic	308	7.3	18 - 19 Years	532	12.7	> High School	1,471	37.4
American Indian/Alaska Native	735	17.5	20 - 29 Years	2,762	65.7	<b>Total</b>	<b>3,934</b>	<b>100.0</b>
Asian/Pacific Islander	50	1.2	30 - 39 Years	647	15.4			
Multiple Races	115	2.7	>= 40 Years	43	1.0			
All Other	0	0.0	<b>Total</b>	<b>4,201</b>	<b>100.0</b>			
<b>Total</b>	<b>4,199</b>	<b>100.0</b>	<i>Excluded Unknown: 0</i>	<i>0.0</i>		<i>Excluded Unknown: 267</i>	<i>6.4</i>	
<i>Excluded Unknown: 2</i>	<i>0.0</i>							

% Poverty Level	Number	%	Program Participation <sup>(3)</sup>	Number	%	Migrant Status	Number	%
0 - 50	1,192	35.4	WIC	3,386	100.0	Yes	19	0.5
51 - 100	811	24.1	SNAP	3,383	21.2	No	4,176	99.5
101 - 130	544	16.2	Medicaid	3,383	51.4	<b>Total</b>	<b>4,195</b>	<b>100.0</b>
131 - 150	318	9.4	TANF	3,383	4.6			
151 - 185	387	11.5	<i>Excluded Unknown:</i>					
186 - 200	24	0.7	WIC:	0	0.0			
> 200	92	2.7	SNAP:	3	0.1			
Adjunctive Eligibility	0	0.0	Medicaid:	3	0.1			
<b>Total</b>	<b>3,368</b>	<b>100.0</b>	TANF:	3	0.1	<i>Excluded Unknown: 6</i>	<i>0.1</i>	
<i>Excluded Unknown: 18</i>	<i>0.5</i>							

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Prenatal program participation.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 2C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Health Indicators**

Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Prepregnancy BMI (3)				
Underweight	3,586	7.9	1,175,574	10.9
Normal Weight	3,586	42.9	1,175,574	44.6
Overweight	3,586	15.0	1,175,574	15.1
Obese	3,586	34.2	1,175,574	29.4
Maternal Weight Gain (4)				
Less Than Ideal	3,010	18.2	922,658	25.0
Ideal	3,010	33.8	922,658	32.2
Greater Than Ideal	3,010	48.0	922,658	42.8
Anemia (Low Hb/Hct) (5)				
1st Trimester	1,455	3.8	377,717	7.1
2nd Trimester	1,116	6.8	343,815	11.5
3rd Trimester	663	26.7	180,176	33.5
Postpartum	2,638	20.4	414,735	29.8
Parity (6)				
0	3,206	39.3	966,532	45.6
1	3,206	28.2	966,532	25.9
2	3,206	16.0	966,532	15.3
≥ 3	3,206	16.5	966,532	13.2
Interpregnancy Interval				
< 6 Months	2,208	16.3	606,104	13.0
6 - <18 Months	2,208	30.5	606,104	26.8
≥18 Months	2,208	53.3	606,104	60.3
Gestational Diabetes	3,145	5.3	230,547	3.9
Hypertension During Pregnancy	3,143	10.8	280,574	4.3

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI < 19.8), normal weight (BMI 19.9 to 26.0), overweight (BMI >26.0 to 29.0), obese (BMI >29.0).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

(6) Number of times a woman has given birth to an infant 20 or more weeks gestation.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 2C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Health Indicators**

Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Medical Care				
1st Trimester	2,182	87.2	612,462	79.4
No Care	2,182	0.0	612,462	4.7
WIC Enrollment				
1st Trimester	3,616	44.2	1,034,046	31.3
2nd Trimester	3,616	29.8	1,034,046	35.1
3rd Trimester	3,616	18.9	1,034,046	18.2
Postpartum (3)	3,616	7.1	1,034,046	15.4
Prepregnancy Multivitamin Consumption (4)	3,069	22.7	98,170	15.7
Multivitamin Consumption During Pregnancy (5)	2,730	7.5	238,509	75.9
Smoking				
3 Months Prior to Pregnancy	3,278	48.1	895,227	26.6
During Pregnancy	3,261	28.8	826,305	15.8
Last 3 Months of Pregnancy	3,170	24.4	716,629	15.8
Postpartum	3,156	32.0	688,071	18.2
Smoking Changes (6)				
Quit Smoking by First Prenatal Visit	1,549	41.2	208,650	42.0
Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes	1,120	34.5	161,864	35.1
Smoking in Household				
During Pregnancy	3,174	21.7	572,120	20.9
Postpartum	3,036	12.1	486,636	22.6
Drinking				
3 Months Prior to Pregnancy	1,987	24.5	998,472	7.1
Last 3 Months of Pregnancy	3,151	0.5	758,070	0.4

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Women who initially enrolled in WIC during the postpartum period.

(4) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

(6) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 2C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Health Indicators**

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Summary of Health Indicators (2)				
	North Dakota Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight (3)				
Very Low	1,902	1.5	1,039,036	1.1
Low	1,902	7.2	1,039,036	7.1
Normal	1,902	81.8	1,039,036	85.1
High	1,902	9.5	1,039,036	6.7
Preterm (4)	1,621	12.3	947,705	11.9
Full term Low Birth Weight (5)	1,415	3.0	856,467	3.7
Multiple Births	3,745	1.1	1,026,255	1.5
Breastfeeding				
Ever Breastfed	1,970	32.8	936,194	64.6

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Very low birth weight (<1500 g), low birth weight (1500 - <2500 g), normal birth weight (2500 - <4000 g), high birth weight (>4000 g).

(4) <37 weeks gestation.

(5) 37 or more weeks gestation and <2500 g.



**Table 3C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Comparison of Racial and Ethnic Distribution by Contributor to Nation**

<b>Comparison of Racial and Ethnic Distribution</b> <sup>(2)</sup>								
	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
<b>North Dakota</b>	<b>4,201</b>	<b>67.8</b>	<b>3.4</b>	<b>7.3</b>	<b>17.5</b>	<b>1.2</b>	<b>2.7</b>	<b>0.0</b>
<b>Nation (Prior Year)</b>	<b>1,252,728</b>	<b>41.7</b>	<b>23.3</b>	<b>27.9</b>	<b>1.1</b>	<b>3.2</b>	<b>1.0</b>	<b>1.8</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 4C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Age Distribution by Contributor to Nation**

<b>Comparison of Age Distribution</b> <sup>(2)</sup>								
	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
<b>North Dakota</b>	<b>4,201</b>	<b>0.1</b>	<b>5.0</b>	<b>12.7</b>	<b>65.7</b>	<b>15.4</b>	<b>1.0</b>	<b>0.0</b>
<b>Nation (Prior Year)</b>	<b>1,252,728</b>	<b>0.4</b>	<b>6.5</b>	<b>12.7</b>	<b>59.9</b>	<b>19.0</b>	<b>1.4</b>	<b>0.1</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 5C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Maternal Health Indicators by Contributor to Nation**

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Comparison of Maternal Health Indicators <sup>(2)</sup>														
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
North Dakota	3,586	7.9	49.2	3,010	18.2	48.0	663	26.7	2,638	20.4	3,145	5.3	3,143	10.8
Nation (Prior Year)	1,175,574	10.9	44.5	922,658	25.0	42.8	180,176	33.5	414,735	29.8	230,547	3.9	280,574	4.3

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 6C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Comparison of Maternal Behavioral Indicators by Contributor to Nation**

Comparison of Maternal Behavioral Indicators <sup>(2)</sup>									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Pregpregnancy <sup>(3)</sup>		During Pregnancy <sup>(4)</sup>	
	Number	%	%	Number	%	Number	%	Number	%
North Dakota	2,182	87.2	0.0	3,616	44.2	3,069	22.7	2,730	7.5
Nation (Prior Year)	612,462	79.4	4.7	1,034,046	31.3	98,170	15.7	238,509	75.9

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(4) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 7C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Comparison of Smoking Indicators by Contributor to Nation**

Comparison of Smoking Indicators <sup>(2)</sup>										
	Smoking		Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(3)</sup>	Smoking in Household						
	3 Months Prior to Pregnancy	Last 3 Months of Pregnancy		Prenatal	Postpartum					
	Number	%	Number	%	Number	%				
North Dakota	3,278	48.1	3,170	24.4	1,120	34.5	3,174	21.7	3,036	12.1
Nation (Prior Year)	895,227	26.6	716,629	15.8	161,864	35.1	572,120	20.9	486,636	22.6

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 8C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Comparison of Infant Health Indicators by Contributor to Nation**

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<b>Comparison of Infant Health Indicators</b> <sup>(2)</sup>									
	Birthweight			Preterm (5)	Full Term LBW (6)	Ever Breastfed			
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
<b>North Dakota</b>	<b>1,902</b>	<b>8.7</b>	<b>9.5</b>	<b>1,621</b>	<b>12.3</b>	<b>1,415</b>	<b>3.0</b>	<b>1,970</b>	<b>32.8</b>
<b>Nation (Prior Year)</b>	<b>1,039,036</b>	<b>8.2</b>	<b>6.7</b>	<b>947,705</b>	<b>11.9</b>	<b>856,467</b>	<b>3.7</b>	<b>936,194</b>	<b>64.6</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 9C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Maternal Health Indicators by Race/Ethnicity, Age, or Education**

Maternal Health Indicators by Race/Ethnicity, Age, or Education													(2)	
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes		Hypertension During Pregnancy	
	Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum					
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
Race/Ethnicity														
White, Not Hispanic	2,411	8.2	48.2	2,037	18.3	48.1	463	21.4	1,850	16.4	2,154	5.3	2,151	11.2
Black, Not Hispanic	122	7.4	44.3	103	35.0	29.1	24	*	91	*	108	2.8	108	4.6
Hispanic	250	6.0	51.2	200	16.0	47.0	48	*	171	29.8	217	6.5	217	11.1
American Indian/Alaska Native	659	6.8	54.0	552	16.3	51.3	95	*	414	31.4	546	5.5	547	10.8
Asian/Pacific Islander	41	*	*	33	*	*	12	*	31	*	36	*	36	*
Multiple Races	101	10.9	48.5	84	*	*	21	*	80	*	84	*	84	*
All Other/Unknown	2	*	*	1	*	*	0	*	1	*	0	*	0	*
Total	3,586	7.9	49.2	3,010	18.2	48.0	663	26.7	2,638	20.4	3,145	5.3	3,143	10.8
Age														
< 15 Years	5	*	*	4	*	*	1	*	0	*	0	*	0	*
15 - 17 Years	171	11.7	34.5	148	14.2	47.3	29	*	122	23.0	151	0.7	151	7.9
18 - 19 Years	477	16.1	34.2	402	14.4	59.2	92	*	310	27.4	360	1.9	360	11.9
20 - 29 Years	2,365	7.4	49.6	1,980	18.5	47.1	450	26.9	1,756	20.2	2,096	4.7	2,094	9.4
30 - 39 Years	533	2.4	64.9	447	21.5	42.7	84	*	423	15.8	507	11.4	507	15.8
>= 40 Years	35	*	*	29	*	*	7	*	27	*	31	*	31	*
Unknown	0	*	*	0	*	*	0	*	0	*	0	*	0	*
Total	3,586	7.9	49.2	3,010	18.2	48.0	663	26.7	2,638	20.4	3,145	5.3	3,143	10.8
Education														
< High School	715	10.3	45.5	620	17.9	48.2	108	38.0	511	28.4	632	5.4	632	8.9
High School	1,441	8.0	50.5	1,211	18.2	49.2	288	29.2	1,025	21.5	1,239	5.2	1,237	10.3
> High School	1,231	6.4	50.4	1,021	18.2	47.1	225	17.3	942	14.5	1,088	5.4	1,088	12.5
Unknown	199	8.5	45.2	158	19.0	43.7	42	*	160	22.5	186	5.4	186	10.2
Total	3,586	7.9	49.2	3,010	18.2	48.0	663	26.7	2,638	20.4	3,145	5.3	3,143	10.8

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 10C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**

**Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education**

<b>Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education</b> (2)									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Pregnancy (3)		During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number	%
<b>Race/Ethnicity</b>									
White, Not Hispanic	1,497	89.8	0.0	2,427	44.1	2,081	26.6	1,891	8.6
Black, Not Hispanic	57	*	*	121	47.9	78	*	77	*
Hispanic	132	88.6	0.0	253	44.7	223	16.6	179	6.7
American Indian/Alaska Native	409	77.3	0.0	667	44.5	560	11.8	469	4.3
Asian/Pacific Islander	23	*	*	44	*	36	*	29	*
Multiple Races	64	*	*	102	45.1	91	*	85	*
All Other/Unknown	0	*	*	2	*	0	*	0	*
<b>Total</b>	<b>2,182</b>	<b>87.2</b>	<b>00.0</b>	<b>3,616</b>	<b>44.2</b>	<b>3,069</b>	<b>22.7</b>	<b>2,730</b>	<b>7.5</b>
<b>Age</b>									
< 15 Years	3	*	*	5	*	3	*	4	*
15 - 17 Years	119	73.9	0.0	189	50.8	168	6.0	147	3.4
18 - 19 Years	287	84.3	0.0	487	49.7	422	12.3	382	5.0
20 - 29 Years	1,433	88.1	0.0	2,362	42.6	2,024	24.0	1,767	7.7
30 - 39 Years	324	90.4	0.0	537	44.3	427	32.8	406	10.8
>= 40 Years	16	*	*	36	*	25	*	24	*
Unknown	0	*	*	0	*	0	*	0	*
<b>Total</b>	<b>2,182</b>	<b>87.2</b>	<b>00.0</b>	<b>3,616</b>	<b>44.2</b>	<b>3,069</b>	<b>22.7</b>	<b>2,730</b>	<b>7.5</b>
<b>Education</b>									
< High School	430	78.8	0.0	738	47.8	611	11.8	527	6.1
High School	881	87.7	0.0	1,454	44.4	1,258	20.4	1,082	8.3
> High School	761	91.6	0.0	1,223	42.6	1,051	32.5	976	7.3
Unknown	110	85.5	0.0	201	40.3	149	18.1	145	9.0
<b>Total</b>	<b>2,182</b>	<b>87.2</b>	<b>00.0</b>	<b>3,616</b>	<b>44.2</b>	<b>3,069</b>	<b>22.7</b>	<b>2,730</b>	<b>7.5</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for behavioral indicators, and data with errors for behavioral and demographic indicators.

(3) Women who reported taking a multivitamin four times a week or more in the month before pregnancy; proxy for folic acid consumption.

(4) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 11C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Smoking Indicators by Race/Ethnicity, Age, or Education**

Smoking Indicators by Race/Ethnicity, Age, or Education <sup>(2)</sup>										
	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	%	Number	%		Number	%	Number	%	
Race/Ethnicity										
White, Not Hispanic	2,193	46.9	2,173	23.8	736	34.8	2,118	21.3	2,083	12.9
Black, Not Hispanic	106	9.4	107	3.7	4	*	101	8.9	94	*
Hispanic	225	34.2	219	13.2	55	*	223	14.3	207	11.1
American Indian/Alaska Native	619	64.3	551	35.6	278	29.9	605	29.1	539	11.7
Asian/Pacific Islander	39	*	36	*	8	*	35	*	33	*
Multiple Races	96	*	84	*	39	*	92	*	80	*
All Other/Unknown	0	*	0	*	0	*	0	*	0	*
<b>Total</b>	<b>3,278</b>	<b>48.1</b>	<b>3,170</b>	<b>24.4</b>	<b>1,120</b>	<b>34.5</b>	<b>3,174</b>	<b>21.7</b>	<b>3,036</b>	<b>12.1</b>
Age										
< 15 Years	5	*	0	*	0	*	5	*	0	*
15 - 17 Years	177	58.8	154	27.3	72	*	172	36.0	150	20.0
18 - 19 Years	447	57.5	368	23.9	167	40.7	440	31.6	354	13.8
20 - 29 Years	2,145	48.2	2,113	25.0	760	34.7	2,068	19.8	2,022	12.0
30 - 39 Years	477	36.1	504	21.2	118	23.7	461	15.4	479	9.6
>= 40 Years	27	*	31	*	3	*	28	*	31	*
Unknown	0	*	0	*	0	*	0	*	0	*
<b>Total</b>	<b>3,278</b>	<b>48.1</b>	<b>3,170</b>	<b>24.4</b>	<b>1,120</b>	<b>34.5</b>	<b>3,174</b>	<b>21.7</b>	<b>3,036</b>	<b>12.1</b>
Education										
< High School	678	61.5	637	34.9	305	25.9	659	32.3	607	16.6
High School	1,315	53.4	1,248	28.5	500	34.0	1,278	22.7	1,200	12.3
> High School	1,115	33.7	1,095	14.3	262	43.5	1,074	14.0	1,050	8.7
Unknown	170	48.2	190	20.5	53	*	163	21.5	179	15.6
<b>Total</b>	<b>3,278</b>	<b>48.1</b>	<b>3,170</b>	<b>24.4</b>	<b>1,120</b>	<b>34.5</b>	<b>3,174</b>	<b>21.7</b>	<b>3,036</b>	<b>12.1</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for smoking indicators, and data with errors for smoking and demographic indicators.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 12C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Infant Health Indicators by Race/Ethnicity, Age, or Education**

Infant Health Indicators by Race/Ethnicity, Age, or Education <sup>(2)</sup>									
	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)	High (4)							
	Number	%	%	Number	%	Number	%	Number	%
Race/Ethnicity									
White, Not Hispanic	1,295	9.4	8.8	1,095	12.3	957	3.1	1,332	34.6
Black, Not Hispanic	53	*	*	43	*	39	*	54	*
Hispanic	129	7.0	7.0	106	10.4	95	*	133	34.6
American Indian/Alaska Native	352	7.4	13.1	313	14.1	265	3.0	377	19.4
Asian/Pacific Islander	24	*	*	20	*	18	*	24	*
Multiple Races	49	*	*	44	*	41	*	50	*
All Other/Unknown	0	*	*	0	*	0	*	0	*
<b>Total</b>	<b>1,902</b>	<b>8.7</b>	<b>9.5</b>	<b>1,621</b>	<b>12.3</b>	<b>1,415</b>	<b>3.0</b>	<b>1,970</b>	<b>32.8</b>
Age									
< 15 Years	0	*	*	0	*	0	*	0	*
15 - 17 Years	85	*	*	75	*	68	*	89	*
18 - 19 Years	216	8.8	6.9	197	15.7	164	3.7	223	21.1
20 - 29 Years	1,262	6.7	8.5	1,074	11.3	950	2.9	1,309	34.2
30 - 39 Years	317	9.1	14.5	258	14.7	219	3.2	327	38.8
>= 40 Years	22	*	*	17	*	14	*	22	*
Unknown	0	*	*	0	*	0	*	0	*
<b>Total</b>	<b>1,902</b>	<b>8.7</b>	<b>9.5</b>	<b>1,621</b>	<b>12.3</b>	<b>1,415</b>	<b>3.0</b>	<b>1,970</b>	<b>32.8</b>
Education									
< High School	385	7.3	9.6	340	12.6	294	4.4	405	22.0
High School	744	7.3	8.9	649	13.3	562	2.7	769	28.9
> High School	686	6.7	9.9	565	10.8	503	2.4	703	43.0
Unknown	87	*	*	67	*	56	*	93	*
<b>Total</b>	<b>1,902</b>	<b>8.7</b>	<b>9.5</b>	<b>1,621</b>	<b>12.3</b>	<b>1,415</b>	<b>3.0</b>	<b>1,970</b>	<b>32.8</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 13C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Maternal Weight Gain and Birth Outcomes by Select Health Indicators**

Maternal Weight Gain and Birth Outcomes by Select Health Indicators <sup>(2)</sup>											
		Weight Gain (3)			Birth Outcomes						
		< Ideal		> Ideal	Birthweight			Preterm (6)		Full Term LBW (7)	
					Low (4)		High (5)				
		Number	%	%	Number	%	%	Number	%	Number	%
Prepregnancy BMI											
Underweight		240	28.3	30.0	131	11.5	4.6	129	13.2	112	5.4
Normal Weight		1,309	18.0	43.9	686	9.0	7.0	676	13.3	584	3.3
Overweight		453	7.1	63.8	233	9.0	8.6	228	8.3	207	3.4
Obese		1,007	21.0	50.6	548	6.6	14.2	544	11.9	476	2.1
Weight Gain											
< Ideal		–	–	–	254	16.1	3.9	251	18.3	203	7.4
Ideal		–	–	–	538	8.6	7.2	529	11.5	467	3.4
> Ideal		–	–	–	782	5.8	13.0	774	10.5	689	1.6
Smoking During Pregnancy											
Smokers		765	20.0	47.2	406	11.1	5.7	405	13.8	347	6.3
Non-Smokers		1,902	16.9	48.7	1,017	5.6	11.8	1,009	10.1	902	1.6

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 14C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Racial and Ethnic Distribution**

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<b>Summary of Trends in Racial and Ethnic Distribution</b> <sup>(2)</sup>								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2008	4,201	67.8	3.4	7.3	17.5	1.2	2.7	0.0
2007	4,281	67.3	3.3	7.8	17.4	1.3	2.6	0.3
2006	0	*	*	*	*	*	*	*
2005	3,335	71.0	3.0	4.2	20.6	1.2	0.0	0.0
2004	3,242	74.2	2.8	4.3	17.5	1.2	0.0	0.0
2003	3,668	73.2	3.0	5.2	17.6	1.0	0.0	0.0
2002	3,628	75.2	2.4	4.0	17.4	1.0	0.0	0.0
2001	2,671	73.6	3.3	4.5	17.3	1.3	0.0	0.0
2000	3,556	76.1	2.5	4.0	16.0	1.3	0.0	0.0
1999	3,567	77.5	2.7	4.0	14.6	1.2	0.0	0.0
1998	3,773	77.4	2.6	4.7	14.4	0.9	0.0	0.0
1997	3,947	78.2	2.3	4.2	14.0	1.3	0.0	0.0
1996	2,573	79.4	2.3	3.6	13.0	1.7	0.0	0.0
1995	3,633	81.8	1.9	3.5	11.3	1.4	0.0	0.0
1994	0	*	*	*	*	*	*	*
1993	2,573	80.4	1.6	2.7	13.8	1.5	0.0	0.0
1992	988	78.7	1.9	2.7	15.5	1.1	0.0	0.0
1991	1,504	80.6	1.3	3.1	14.2	0.8	0.0	0.0
1990	2,784	81.0	1.5	3.2	13.3	1.0	0.0	0.0
1989	1,387	78.2	1.6	2.6	16.3	1.4	0.0	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 15C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Age Distribution**

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<b>Summary of Trends in Age Distribution</b> <sup>(2)</sup>								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
2008	4,201	0.1	5.0	12.7	65.7	15.4	1.0	0.0
2007	4,281	0.3	4.9	12.9	66.6	14.4	1.0	0.0
2006	0	*	*	*	*	*	*	*
2005	3,335	0.3	5.0	12.6	66.6	14.2	1.0	0.3
2004	3,242	0.2	4.3	13.2	64.8	16.1	0.9	0.4
2003	3,668	0.2	4.7	14.4	64.6	14.7	1.0	0.4
2002	3,628	0.2	5.1	15.4	63.2	14.9	0.9	0.3
2001	2,671	0.2	6.1	15.7	62.0	14.6	0.9	0.4
2000	3,556	0.1	5.8	15.9	60.5	16.0	1.0	0.6
1999	3,567	0.3	5.3	14.5	62.2	16.3	0.9	0.4
1998	3,773	0.3	6.5	13.8	62.1	15.7	1.0	0.6
1997	3,947	0.3	5.7	13.9	62.5	15.9	0.9	0.8
1996	2,573	0.3	5.6	14.7	61.3	16.6	0.7	0.8
1995	3,633	0.5	6.1	13.8	62.8	15.3	0.9	0.7
1994	0	*	*	*	*	*	*	*
1993	2,573	0.3	7.0	14.5	60.5	16.3	0.8	0.5
1992	988	0.3	6.0	16.7	59.9	16.1	0.3	0.7
1991	1,504	0.5	4.9	15.0	62.4	15.7	0.7	0.8
1990	2,784	0.1	5.6	14.4	64.0	14.5	0.6	0.8
1989	1,387	0.1	5.6	13.8	62.5	16.7	0.6	0.7

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 16C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Health Indicators**

<b>Summary of Trends in Maternal Health Indicators</b> <sup>(2)</sup>										
Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
	Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
2008	3,586	7.9	49.2	3,010	18.2	48.0	663	26.7	2,638	20.4
2007	3,532	8.7	49.3	2,911	17.0	49.2	615	24.4	3,018	21.2
2006	0	*	*	0	*	*	0	*	0	*
2005	3,193	11.9	45.7	2,203	15.0	48.5	443	22.3	1,896	30.4
2004	3,068	10.3	45.0	2,167	14.4	49.5	419	24.6	1,886	30.4
2003	3,478	11.2	43.1	2,457	15.0	48.4	472	21.6	2,133	25.7
2002	3,428	12.0	42.2	2,401	14.0	49.3	487	24.6	2,034	29.2
2001	2,538	11.5	41.7	1,727	14.6	48.2	311	20.3	1,473	31.0
2000	3,371	12.5	42.6	2,305	14.1	48.3	438	20.8	1,897	31.8
1999	3,318	13.3	40.4	2,213	17.2	44.8	451	22.2	1,954	26.7
1998	3,406	13.4	39.1	2,353	17.3	45.7	455	15.4	2,059	24.5
1997	3,044	13.3	38.1	2,428	17.1	45.5	446	13.5	2,440	13.3
1996	1,936	14.6	35.5	1,542	15.9	46.0	243	12.3	1,463	15.9
1995	2,810	14.7	34.9	2,356	18.5	43.5	460	15.4	2,275	15.9
1994	0	*	*	0	*	*	0	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 16C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Health Indicators**

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<b>Summary of Trends in Maternal Health Indicators</b> <sup>(2)</sup>										
Year	Pregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
	Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
1993	2,012	16.0	32.9	1,760	23.1	41.6	330	16.1	1,653	13.7
1992	788	15.7	30.2	684	20.3	39.8	144	18.1	614	12.9
1991	1,169	16.3	28.5	989	22.4	39.6	172	15.7	696	13.1
1990	2,038	15.2	29.9	1,703	20.4	41.9	341	20.8	1,309	13.1
1989	1,062	16.0	28.6	868	23.0	38.1	221	20.8	751	13.4

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 17C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Behavioral Indicators**

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<b>Summary of Trends in Maternal Behavioral Indicators</b> <sup>(2)</sup>					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
2008	2,182	87.2	0.0	3,616	44.2
2007	2,151	84.6	0.0	3,360	47.0
2006	0	*	*	0	*
2005	2,812	87.9	1.7	3,053	40.0
2004	2,782	87.0	1.9	2,834	42.7
2003	3,131	86.1	1.2	3,221	41.2
2002	3,088	83.6	3.0	3,151	41.0
2001	2,222	83.4	2.4	2,341	41.9
2000	3,019	83.5	3.5	3,093	40.1
1999	3,072	82.6	5.3	3,084	40.0
1998	3,256	73.6	16.2	3,244	40.1
1997	3,380	70.9	18.3	2,895	5.4
1996	2,173	73.4	15.8	1,852	0.8
1995	3,110	71.9	16.8	2,568	0.4
1994	0	*	*	0	*
1993	2,268	66.1	21.3	1,850	0.5
1992	882	68.5	18.1	718	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 17C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Maternal Behavioral Indicators**

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<b>Summary of Trends in Maternal Behavioral Indicators</b> <sup>(2)</sup>					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
1991	1,297	64.8	20.7	1,023	0.9
1990	2,335	63.4	22.8	1,801	0.4
1989	1,233	62.8	23.5	928	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 18C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators**

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Summary of Trends in Smoking Indicators (2)										
Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	%	Number	%	Number	%	Number	%	Number	%
2008	3,278	48.1	3,170	24.4	1,120	34.5	3,174	21.7	3,036	12.1
2007	3,110	48.1	3,500	25.9	938	34.6	2,257	21.2	3,355	14.8
2006	0	*	0	*	0	*	0	*	0	*
2005	3,014	48.8	2,578	26.9	985	37.6	2,587	30.7	2,459	23.4
2004	2,901	47.7	2,452	25.1	894	36.5	2,511	32.8	2,376	28.1
2003	3,338	47.8	2,815	26.1	1,039	34.9	2,863	33.5	2,765	27.5
2002	3,253	49.2	2,772	27.5	1,012	32.3	2,761	33.1	2,737	28.6
2001	2,397	49.4	1,983	26.0	707	37.8	2,043	35.0	1,950	30.4
2000	3,180	47.8	2,654	27.2	917	33.9	2,635	33.9	2,609	30.1
1999	3,174	46.6	2,630	26.8	909	30.7	2,584	35.0	2,516	30.0
1998	3,322	47.0	2,842	26.6	979	34.0	2,756	36.9	2,647	31.6
1997	3,484	45.2	2,982	27.6	987	30.1	2,963	35.3	2,922	31.6
1996	2,288	42.4	1,851	25.0	561	31.6	1,897	35.8	1,813	30.2
1995	3,174	42.8	2,786	26.1	850	30.7	2,628	37.0	2,724	32.2
1994	0	*	0	*	0	*	0	*	0	*
1993	2,077	43.3	2,001	28.4	215	0.0	1,172	57.8	1,392	47.8
1992	739	47.1	770	30.3	98	*	455	61.8	431	56.8

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 18C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Smoking Indicators**

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Summary of Trends in Smoking Indicators <sup>(2)</sup>										
Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal	Postpartum			
	Number	%	Number	%	Number	%	Number	%		
1991	1,131	40.8	1,103	27.7	151	0.0	1,085	34.2	1,094	31.6
1990	2,052	41.7	1,986	29.3	254	0.0	1,994	33.9	1,973	31.2
1989	917	44.5	1,031	32.1	154	0.0	894	40.0	1,030	33.6

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 19C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Infant Health Indicators**

<b>Summary of Trends in Infant Health Indicators</b> (2)								
Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed
	Low (3)		High (4)					
	Number	%	%	Number	%	Number	%	Number %
2008	1,902	8.7	9.5	1,621	12.3	1,415	3.0	1,970 32.8
2007	1,930	7.9	11.6	1,471	12.7	1,284	2.6	1,966 21.8
2006	0	*	*	0	*	0	*	0 *
2005	2,342	6.7	9.6	2,141	11.8	1,816	2.6	2,439 56.8
2004	2,362	5.6	10.1	2,049	11.8	1,743	1.8	2,436 54.9
2003	2,758	6.9	9.8	2,328	10.6	2,044	2.1	2,795 54.8
2002	2,695	7.1	9.6	2,284	11.7	1,952	3.4	2,777 54.6
2001	1,941	6.1	10.1	1,666	10.1	1,450	2.3	2,012 52.6
2000	2,490	6.4	10.7	2,237	11.8	1,838	2.1	2,672 54.4
1999	2,508	6.7	11.0	2,204	11.3	1,811	2.1	2,695 50.8
1998	2,728	6.7	11.9	2,387	10.9	1,979	2.1	2,940 49.6
1997	2,883	6.1	12.1	2,493	9.5	2,113	2.1	3,080 47.8
1996	1,688	5.5	12.0	1,453	9.9	1,253	2.2	1,764 49.7
1995	2,507	5.8	11.2	2,110	10.0	1,799	2.1	2,640 46.4

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 19C**  
**2008 Pregnancy Nutrition Surveillance** (1)  
**North Dakota**  
**Summary of Trends in Infant Health Indicators**

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Summary of Trends in Infant Health Indicators <sup>(2)</sup>									
Year	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
1994	0	*	*	0	*	0	*	0	*
1993	1,972	5.9	12.1	1,635	9.5	1,406	2.5	943	100.0
1992	787	4.8	13.5	650	9.1	570	2.3	367	100.0
1991	1,082	5.7	10.3	790	8.9	698	3.2	428	99.8
1990	1,919	5.7	13.5	1,458	7.7	1,304	3.0	774	100.0
1989	1,016	6.1	13.3	781	7.9	696	3.3	385	100.0

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 20C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>											
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
White, Not Hispanic	2008	2,411	8.2	48.2	2,037	18.3	48.1	463	21.4	1,850	16.4
	2007	2,353	9.2	47.1	1,951	15.9	50.1	415	18.6	2,087	16.7
	2006	0	*	*	0	*	*	0	*	0	*
	2005	2,278	12.7	44.5	1,601	15.0	48.1	312	17.9	1,408	28.1
	2004	2,267	10.2	45.1	1,640	14.1	48.8	299	21.7	1,426	27.9
	2003	2,545	11.4	41.8	1,840	14.2	48.2	332	16.9	1,557	25.4
	2002	2,575	12.5	41.1	1,845	14.1	49.2	351	22.8	1,530	28.3
	2001	1,863	12.3	40.2	1,287	13.9	47.7	218	18.3	1,097	29.6
	2000	2,557	13.4	41.0	1,783	13.6	46.9	346	19.9	1,472	32.5
	1999	2,575	14.4	39.0	1,729	17.1	44.2	360	20.3	1,550	26.4
Black, Not Hispanic	2008	122	7.4	44.3	103	35.0	29.1	24	*	91	*
	2007	115	7.0	47.0	92	*	*	21	*	106	32.1
	2006	0	*	*	0	*	*	0	*	0	*
	2005	94	*	*	65	*	*	13	*	57	*
	2004	83	*	*	51	*	*	18	*	51	*
	2003	99	*	*	71	*	*	15	*	70	*
	2002	80	*	*	52	*	*	14	*	50	*
	2001	79	*	*	59	*	*	10	*	46	*
	2000	79	*	*	44	*	*	3	*	40	*
	1999	82	*	*	53	*	*	6	*	52	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 20C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>										
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)		
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum
		Number	%	%	Number	%	%	Number	%	Number %
Hispanic	2008	250	6.0	51.2	200	16.0	47.0	48	*	171 29.8
	2007	273	7.0	53.8	202	19.8	45.5	47	*	205 29.3
	2006	0	*	*	0	*	*	0	*	0 *
	2005	130	13.1	50.0	69	*	*	15	*	58 *
	2004	133	12.0	36.8	65	*	*	18	*	58 *
	2003	176	11.9	51.7	101	17.8	46.5	22	*	85 *
	2002	136	15.4	40.4	68	*	*	16	*	54 *
	2001	115	7.8	40.0	55	*	*	16	*	45 *
	2000	137	8.8	50.4	68	*	*	15	*	46 *
	1999	133	9.0	44.4	70	*	*	16	*	58 *
American Indian/Alaska Native	2008	659	6.8	54.0	552	16.3	51.3	95	*	414 31.4
	2007	659	7.9	56.3	564	17.9	48.8	105	38.1	503 32.8
	2006	0	*	*	0	*	*	0	*	0 *
	2005	653	8.0	51.9	443	13.8	51.7	97	*	350 37.1
	2004	549	9.8	49.2	387	12.4	56.8	77	*	340 35.6
	2003	622	9.8	47.7	419	16.2	52.0	100	34.0	400 25.0
	2002	602	9.1	49.0	406	12.3	51.5	97	*	373 28.7
	2001	448	10.0	52.0	300	12.0	54.0	63	*	265 30.6
	2000	551	8.5	50.3	372	13.2	57.0	65	*	310 28.4
	1999	492	8.9	49.2	338	15.7	47.3	65	*	278 25.2

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 20C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under- weight		Over- weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
Asian/Pacific Islander	2008	41	*	*	33	*	*	12	*	31	*
	2007	37	*	*	28	*	*	7	*	39	*
	2006	0	*	*	0	*	*	0	*	0	*
	2005	38	*	*	25	*	*	6	*	23	*
	2004	36	*	*	24	*	*	7	*	11	*
	2003	36	*	*	26	*	*	3	*	21	*
	2002	35	*	*	30	*	*	9	*	27	*
	2001	33	*	*	26	*	*	4	*	20	*
	2000	47	*	*	38	*	*	9	*	29	*
1999	36	*	*	23	*	*	4	*	16	*	
Multiple Races	2008	101	10.9	48.5	84	*	*	21	*	80	*
	2007	88	*	*	73	*	*	20	*	78	*
	2006	0	*	*	0	*	*	0	*	0	*
	2005	0	*	*	0	*	*	0	*	0	*
	2004	0	*	*	0	*	*	0	*	0	*
	2003	0	*	*	0	*	*	0	*	0	*
	2002	0	*	*	0	*	*	0	*	0	*
	2001	0	*	*	0	*	*	0	*	0	*
	2000	0	*	*	0	*	*	0	*	0	*
1999	0	*	*	0	*	*	0	*	0	*	

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 20C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Pregpregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
All Other/Unknown	2008	2	*	*	1	*	*	0	*	1	*
	2007	7	*	*	1	*	*	0	*	0	*
	2006	0	*	*	0	*	*	0	*	0	*
	2005	0	*	*	0	*	*	0	*	0	*
	2004	0	*	*	0	*	*	0	*	0	*
	2003	0	*	*	0	*	*	0	*	0	*
	2002	0	*	*	0	*	*	0	*	0	*
	2001	0	*	*	0	*	*	0	*	0	*
	2000	0	*	*	0	*	*	0	*	0	*
	1999	0	*	*	0	*	*	0	*	0	*
Total All Race/Ethnic Groups	2008	3,586	7.9	49.2	3,010	18.2	48.0	663	26.7	2,638	20.4
	2007	3,532	8.7	49.3	2,911	17.0	49.2	615	24.4	3,018	21.2
	2006	0	*	*	0	*	*	0	*	0	*
	2005	3,193	11.9	45.7	2,203	15.0	48.5	443	22.3	1,896	30.4
	2004	3,068	10.3	45.0	2,167	14.4	49.5	419	24.6	1,886	30.4
	2003	3,478	11.2	43.1	2,457	15.0	48.4	472	21.6	2,133	25.7
	2002	3,428	12.0	42.2	2,401	14.0	49.3	487	24.6	2,034	29.2
	2001	2,538	11.5	41.7	1,727	14.6	48.2	311	20.3	1,473	31.0
	2000	3,371	12.5	42.6	2,305	14.1	48.3	438	20.8	1,897	31.8
	1999	3,318	13.3	40.4	2,213	17.2	44.8	451	22.2	1,954	26.7

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(5) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 21C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity</b> <sup>(2)</sup>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
White, Not Hispanic	2008	1,497	89.8	0.0	2,427	44.1
	2007	1,444	87.2	0.0	2,233	46.8
	2006	0	*	*	0	*
	2005	2,030	90.0	1.3	2,153	41.1
	2004	2,095	90.0	1.6	2,079	42.9
	2003	2,329	88.3	1.1	2,326	41.6
	2002	2,370	85.8	3.0	2,333	41.0
	2001	1,659	86.1	2.1	1,698	42.0
	2000	2,334	85.0	3.3	2,313	39.8
	1999	2,418	84.1	5.6	2,367	38.9
Black, Not Hispanic	2008	57	*	*	121	47.9
	2007	58	*	*	111	41.4
	2006	0	*	*	0	*
	2005	82	*	*	91	*
	2004	72	*	*	83	*
	2003	88	*	*	103	32.0
	2002	69	*	*	80	*
	2001	76	*	*	77	*
	2000	68	*	*	78	*
	1999	81	*	*	81	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 21C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity</b> <sup>(2)</sup>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Hispanic	2008	132	88.6	0.0	253	44.7
	2007	142	87.3	0.0	263	48.7
	2006	0	*	*	0	*
	2005	96	*	*	128	39.8
	2004	95	*	*	124	46.8
	2003	135	82.2	2.2	165	41.8
	2002	96	*	*	127	42.5
	2001	77	*	*	112	33.0
	2000	91	*	*	126	40.5
	1999	102	83.3	3.9	124	38.7
American Indian/Alaska Native	2008	409	77.3	0.0	667	44.5
	2007	432	76.2	0.0	616	47.1
	2006	0	*	*	0	*
	2005	572	78.8	3.7	645	36.9
	2004	488	74.2	3.5	518	42.3
	2003	549	77.8	1.6	596	40.8
	2002	518	73.9	3.5	577	41.6
	2001	380	73.9	3.4	427	43.6
	2000	481	77.1	3.7	535	41.7
	1999	438	75.3	4.1	478	43.3

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 21C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity</b> <sup>(2)</sup>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Asian/Pacific Islander	2008	23	*	*	44	*
	2007	21	*	*	38	*
	2006	0	*	*	0	*
	2005	32	*	*	36	*
	2004	32	*	*	30	*
	2003	30	*	*	31	*
	2002	35	*	*	34	*
	2001	30	*	*	27	*
	2000	45	*	*	41	*
	1999	33	*	*	34	*
Multiple Races	2008	64	*	*	102	45.1
	2007	54	*	*	91	*
	2006	0	*	*	0	*
	2005	0	*	*	0	*
	2004	0	*	*	0	*
	2003	0	*	*	0	*
	2002	0	*	*	0	*
	2001	0	*	*	0	*
	2000	0	*	*	0	*
	1999	0	*	*	0	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 21C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**

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Run Date: 11 / 10 / 09

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity</b> <sup>(2)</sup>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
All Other/Unknown	2008	0	*	*	2	*
	2007	0	*	*	8	*
	2006	0	*	*	0	*
	2005	0	*	*	0	*
	2004	0	*	*	0	*
	2003	0	*	*	0	*
	2002	0	*	*	0	*
	2001	0	*	*	0	*
	2000	0	*	*	0	*
	1999	0	*	*	0	*
Total All Race/Ethnic Groups	2008	2,182	87.2	0.0	3,616	44.2
	2007	2,151	84.6	0.0	3,360	47.0
	2006	0	*	*	0	*
	2005	2,812	87.9	1.7	3,053	40.0
	2004	2,782	87.0	1.9	2,834	42.7
	2003	3,131	86.1	1.2	3,221	41.2
	2002	3,088	83.6	3.0	3,151	41.0
	2001	2,222	83.4	2.4	2,341	41.9
	2000	3,019	83.5	3.5	3,093	40.1
	1999	3,072	82.6	5.3	3,084	40.0

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 22C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Smoking Indicators by Race/Ethnicity**

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Summary of Trends in Smoking Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
White, Not Hispanic	2008	2,193	46.9	2,173	23.8	736	34.8	2,118	21.3	2,083	12.9
	2007	2,065	47.7	2,375	26.5	603	31.0	1,501	20.7	2,273	15.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	2,144	48.2	1,869	25.9	692	38.3	1,822	31.6	1,772	24.7
	2004	2,153	46.7	1,862	23.7	639	36.9	1,828	32.0	1,795	29.4
	2003	2,424	47.3	2,101	25.6	757	35.1	2,049	33.5	2,058	28.6
	2002	2,429	47.1	2,134	25.9	720	33.6	2,023	32.9	2,103	27.7
	2001	1,748	48.8	1,472	25.3	504	38.3	1,478	35.5	1,448	31.4
	2000	2,406	46.8	2,059	25.9	657	35.5	1,947	34.2	2,025	31.1
	1999	2,448	45.3	2,063	24.9	675	31.7	1,960	34.2	1,969	30.5
Black, Not Hispanic	2008	106	9.4	107	3.7	4	*	101	8.9	94	*
	2007	98	*	112	5.4	7	*	72	*	103	9.7
	2006	0	*	0	*	0	*	0	*	0	*
	2005	90	*	78	*	5	*	77	*	76	*
	2004	79	*	65	*	8	*	74	*	64	*
	2003	100	16.0	85	*	6	*	91	*	85	*
	2002	79	*	64	*	9	*	73	*	64	*
	2001	81	*	72	*	10	*	66	*	70	*
	2000	80	*	59	*	12	*	68	*	54	*
	1999	85	*	72	*	9	*	71	*	67	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 22C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Smoking Indicators by Race/Ethnicity**

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Summary of Trends in Smoking Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Hispanic	2008	225	34.2	219	13.2	55	*	223	14.3	207	11.1
	2007	233	32.2	239	15.1	42	*	170	21.8	226	11.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	121	18.2	84	*	11	*	106	21.7	81	*
	2004	122	21.3	69	*	14	*	112	33.0	68	*
	2003	168	17.9	119	12.6	13	*	142	23.9	118	18.6
	2002	127	26.8	80	*	20	*	109	21.1	80	*
	2001	105	21.0	64	*	9	*	88	*	63	*
	2000	124	22.6	78	*	13	*	103	26.2	76	*
1999	123	23.6	83	*	15	*	99	*	77	*	
American Indian/Alaska Native	2008	619	64.3	551	35.6	278	29.9	605	29.1	539	11.7
	2007	595	61.3	638	32.3	248	40.7	430	23.5	620	12.9
	2006	0	*	0	*	0	*	0	*	0	*
	2005	623	63.6	518	37.6	275	33.5	550	33.6	501	23.8
	2004	517	63.4	427	37.5	228	32.0	476	39.3	422	27.5
	2003	613	64.1	481	36.6	256	32.8	551	40.7	475	28.6
	2002	587	67.3	462	41.3	255	25.9	526	38.4	459	36.2
	2001	432	66.7	347	37.2	182	34.1	388	38.1	343	30.3
	2000	529	64.7	416	42.1	232	25.4	482	38.2	412	29.9
1999	480	66.0	381	45.4	206	25.2	426	41.8	373	29.0	

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 22C**  
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**North Dakota**  
**Summary of Trends in Smoking Indicators by Race/Ethnicity**

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Summary of Trends in Smoking Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household				
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal	Postpartum			
		Number	%	Number	%		Number	%	Number	%	
Asian/Pacific Islander	2008	39	*	36	*	8	*	35	*	33	*
	2007	35	*	42	*	5	*	24	*	40	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	36	*	29	*	2	*	32	*	29	*
	2004	30	*	29	*	5	*	21	*	27	*
	2003	33	*	29	*	7	*	30	*	29	*
	2002	31	*	32	*	8	*	30	*	31	*
	2001	31	*	28	*	2	*	23	*	26	*
	2000	41	*	42	*	3	*	35	*	42	*
1999	38	*	31	*	4	*	28	*	30	*	
Multiple Races	2008	96	*	84	*	39	*	92	*	80	*
	2007	84	*	94	*	33	*	60	*	93	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	0	*	0	*	0	*	0	*	0	*
	2004	0	*	0	*	0	*	0	*	0	*
	2003	0	*	0	*	0	*	0	*	0	*
	2002	0	*	0	*	0	*	0	*	0	*
	2001	0	*	0	*	0	*	0	*	0	*
	2000	0	*	0	*	0	*	0	*	0	*
1999	0	*	0	*	0	*	0	*	0	*	

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 22C**  
**2008 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**North Dakota**  
**Summary of Trends in Smoking Indicators by Race/Ethnicity**

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Summary of Trends in Smoking Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
All Other/Unknown	2008	0	*	0	*	0	*	0	*	0	*
	2007	0	*	0	*	0	*	0	*	0	*
	2006	0	*	0	*	0	*	0	*	0	*
	2005	0	*	0	*	0	*	0	*	0	*
	2004	0	*	0	*	0	*	0	*	0	*
	2003	0	*	0	*	0	*	0	*	0	*
	2002	0	*	0	*	0	*	0	*	0	*
	2001	0	*	0	*	0	*	0	*	0	*
	2000	0	*	0	*	0	*	0	*	0	*
1999	0	*	0	*	0	*	0	*	0	*	
Total All Race/Ethnic Groups	2008	3,278	48.1	3,170	24.4	1,120	34.5	3,174	21.7	3,036	12.1
	2007	3,110	48.1	3,500	25.9	938	34.6	2,257	21.2	3,355	14.8
	2006	0	*	0	*	0	*	0	*	0	*
	2005	3,014	48.8	2,578	26.9	985	37.6	2,587	30.7	2,459	23.4
	2004	2,901	47.7	2,452	25.1	894	36.5	2,511	32.8	2,376	28.1
	2003	3,338	47.8	2,815	26.1	1,039	34.9	2,863	33.5	2,765	27.5
	2002	3,253	49.2	2,772	27.5	1,012	32.3	2,761	33.1	2,737	28.6
	2001	2,397	49.4	1,983	26.0	707	37.8	2,043	35.0	1,950	30.4
	2000	3,180	47.8	2,654	27.2	917	33.9	2,635	33.9	2,609	30.1
1999	3,174	46.6	2,630	26.8	909	30.7	2,584	35.0	2,516	30.0	

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 23C**  
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**North Dakota**

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
White, Not Hispanic	2008	1,295	9.4	8.8	1,095	12.3	957	3.1	1,332	34.6
	2007	1,266	8.4	10.1	953	11.5	843	2.6	1,284	23.3
	2006	0	*	*	0	*	0	*	0	*
	2005	1,787	6.8	9.1	1,634	11.2	1,390	2.6	1,866	58.0
	2004	1,861	5.6	9.9	1,600	11.7	1,361	1.8	1,917	57.2
	2003	2,096	7.0	9.2	1,749	10.6	1,540	2.1	2,121	57.5
	2002	2,101	6.9	8.8	1,774	11.4	1,516	3.2	2,167	57.4
	2001	1,484	6.3	9.4	1,263	9.7	1,101	2.3	1,539	55.0
	2000	1,952	6.5	9.8	1,738	11.9	1,414	1.9	2,107	57.3
	1999	2,004	7.1	10.6	1,737	10.8	1,437	2.2	2,145	52.8
Black, Not Hispanic	2008	53	*	*	43	*	39	*	54	*
	2007	52	*	*	39	*	31	*	54	*
	2006	0	*	*	0	*	0	*	0	*
	2005	71	*	*	65	*	54	*	74	*
	2004	63	*	*	58	*	53	*	65	*
	2003	77	*	*	72	*	64	*	78	*
	2002	66	*	*	60	*	51	*	69	*
	2001	67	*	*	56	*	53	*	69	*
	2000	57	*	*	49	*	43	*	62	*
	1999	63	*	*	60	*	45	*	75	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.



**Table 23C**  
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North Dakota

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Hispanic	2008	129	7.0	7.0	106	10.4	95	*	133	34.6
	2007	124	7.3	7.3	98	*	87	*	126	26.2
	2006	0	*	*	0	*	0	*	0	*
	2005	81	*	*	76	*	67	*	84	*
	2004	75	*	*	64	*	52	*	78	*
	2003	122	4.9	9.0	99	*	89	*	123	58.5
	2002	81	*	*	66	*	53	*	84	*
	2001	63	*	*	60	*	50	*	70	*
	2000	76	*	*	67	*	55	*	82	*
	1999	79	*	*	77	*	61	*	93	*
American Indian/Alaska Native	2008	352	7.4	13.1	313	14.1	265	3.0	377	19.4
	2007	424	6.1	17.9	334	14.1	287	2.1	436	12.6
	2006	0	*	*	0	*	0	*	0	*
	2005	374	6.4	13.1	340	14.4	283	2.5	386	42.7
	2004	337	5.9	13.6	309	12.6	263	1.9	348	34.8
	2003	438	6.8	14.6	387	11.4	333	2.1	447	36.0
	2002	417	7.2	14.9	356	12.6	307	3.6	427	36.8
	2001	303	5.9	14.9	268	12.3	231	2.6	308	34.7
	2000	365	6.0	16.4	349	12.3	295	2.4	379	32.7
	1999	335	4.5	16.1	308	14.0	252	2.0	353	31.2

(1) Reporting period is January 1 through December 31.

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(3) <2500 g.

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**Table 23C**  
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**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

Summary of Trends in Infant Health Indicators by Race/Ethnicity <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Asian/Pacific Islander	2008	24	*	*	20	*	18	*	24	*
	2007	17	*	*	10	*	8	*	17	*
	2006	0	*	*	0	*	0	*	0	*
	2005	29	*	*	26	*	22	*	29	*
	2004	26	*	*	18	*	14	*	28	*
	2003	25	*	*	21	*	18	*	26	*
	2002	30	*	*	28	*	25	*	30	*
	2001	24	*	*	19	*	15	*	26	*
	2000	40	*	*	34	*	31	*	42	*
1999	27	*	*	22	*	16	*	29	*	
Multiple Races	2008	49	*	*	44	*	41	*	50	*
	2007	47	*	*	37	*	28	*	49	*
	2006	0	*	*	0	*	0	*	0	*
	2005	0	*	*	0	*	0	*	0	*
	2004	0	*	*	0	*	0	*	0	*
	2003	0	*	*	0	*	0	*	0	*
	2002	0	*	*	0	*	0	*	0	*
	2001	0	*	*	0	*	0	*	0	*
	2000	0	*	*	0	*	0	*	0	*
1999	0	*	*	0	*	0	*	0	*	

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.





**Table 23C**  
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North Dakota

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
All Other/Unknown	2008	0	*	*	0	*	0	*	0	*
	2007	0	*	*	0	*	0	*	0	*
	2006	0	*	*	0	*	0	*	0	*
	2005	0	*	*	0	*	0	*	0	*
	2004	0	*	*	0	*	0	*	0	*
	2003	0	*	*	0	*	0	*	0	*
	2002	0	*	*	0	*	0	*	0	*
	2001	0	*	*	0	*	0	*	0	*
	2000	0	*	*	0	*	0	*	0	*
	1999	0	*	*	0	*	0	*	0	*
Total All Race/Ethnic Groups	2008	1,902	8.7	9.5	1,621	12.3	1,415	3.0	1,970	32.8
	2007	1,930	7.9	11.6	1,471	12.7	1,284	2.6	1,966	21.8
	2006	0	*	*	0	*	0	*	0	*
	2005	2,342	6.7	9.6	2,141	11.8	1,816	2.6	2,439	56.8
	2004	2,362	5.6	10.1	2,049	11.8	1,743	1.8	2,436	54.9
	2003	2,758	6.9	9.8	2,328	10.6	2,044	2.1	2,795	54.8
	2002	2,695	7.1	9.6	2,284	11.7	1,952	3.4	2,777	54.6
	2001	1,941	6.1	10.1	1,666	10.1	1,450	2.3	2,012	52.6
	2000	2,490	6.4	10.7	2,237	11.8	1,838	2.1	2,672	54.4
	1999	2,508	6.7	11.0	2,204	11.3	1,811	2.1	2,695	50.8

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

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